

DC155

Digital Visualizer

User Manual



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Patent No: M286526 & I260916 (Taiwan) & ZL 2005 2 0129210.7(China)

Chapter 1 Precautions

Always follow these safety instructions when setting up and using the Digital Visualizer:

1. Please do not tilt the machine while using.
2. Do not place the Digital Visualizer on an unstable trolley, stand or table.
3. Do not use the Digital Visualizer near water or source of heat.
4. Use attachments only as recommended.
5. Use the type of power source indicated on the Digital Visualizer. If you are not sure of the type of power available, consult your dealer or local electricity company for advice.
6. Place the Digital Visualizer can be easily unplugged.
7. Always take the following precautions when handling the plug. Failure to do so may result in sparks or fire.
 - Ensure the plug is free of dust before inserting it into a socket.
 - Ensure that the plug is inserted into the socket securely.
8. Do not overload wall sockets, extensions leads or multi-way plug boards as this may cause fire or electric shock.
9. Do not place the Digital Visualizer where the cord can be stepped on as this may result in fraying or damage to the lead or the plug.
10. Unplug the projector from the wall socket before cleaning. Use a damp cloth for cleaning. Do not use liquid or aerosol cleaners.
11. Do not block the slots and openings in the projector case. They provide ventilation and prevent the Digital Visualizer from overheating. Do not place the Digital Visualizer on a sofa, rug or other soft surface or in a built-in installation unless proper ventilation is provided.
12. Never push objects of any kind through cabinet slots. Never allow liquid of any kind to spill into the Digital Visualizer.
13. Except as specifically instructed in this User's Manual, do not attempt to operate this product by yourself. Opening or removing covers may expose you to dangerous voltages and other hazards. Refer all servicing to licensed service personnel.
14. Unplug the Digital Visualizer during thunderstorms or if it is not going to be used for an extended period, do not place the Digital Visualizer or remote control on top of heat-emitting equipment or heated objects such as a car and etc.
15. In the following situations, unplug the Digital Visualizer from the wall outlet and refer servicing to licensed service personnel:
 - If the power cable or plug becomes damaged or frayed.





- If liquid is spilled into it or the Digital Visualizer has been exposed to rain or water.

Safety Precautions

Warning: To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

This Digital Visualizer has a 2 wires AC line Plug. This is a safety feature to ensure that the plug will fit into the power outlet. Do not try to defeat this safety feature.

If the Digital Visualizer will not be used for an extended time, unplug it from the power outlet.

	<div>CAUTION</div> <div>RISK OF ELECTRIC SHOCK</div>	
Caution: To reduce the risk of electric shock. Do not reUse cover (or back). No user-serviceable parts inside. Refer servicing to licensed service Personnel.		
	This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.	
		This symbol indicates that there are important operating and maintenance instructions in this User's Manual with this unit.

FCC Warning

This Digital Visualizer has been certified to comply with the limits for a Class A computing device, pursuant to Subpart J of Part 15 of FCC Rules. These limits are designed to provide reasonable protection against a harmful interference when the equipment is operated in a commercial environment.

EN55022 (CE Radiation) Warning

This product is intended for use in a commercial, industrial, or educational environment. It is not intended for residential use.

This is a Class A product. In a domestic environment it may cause radio interference, in which case the user may be required to take adequate measures. The typical use is in a conference room, meeting room or auditorium.

Chapter 2 Package Content

Please make sure the package comes with the following items when you unpack:
(Total 12 items) :

DC155



Quick Start Guide



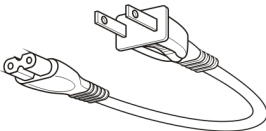
CD



User's Manual



Power Cord



VGA Cable



USB Cable



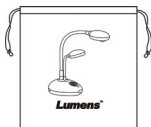
Remote



C-Video Cable



Soft Bag (Big)



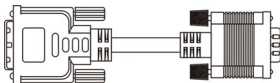
Soft Bag (Small)



RS232 Adapter



DVI Adapter (Optional)



Chapter 3 Product Overview

3.1 Product Introduction

1. Auto Focus Button

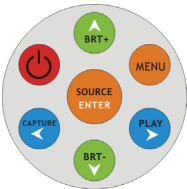
2. Lens

4. Lamp

3. Gooseneck

5. I/O Connector

6. Power / Control keypad



7. Infrared rays area



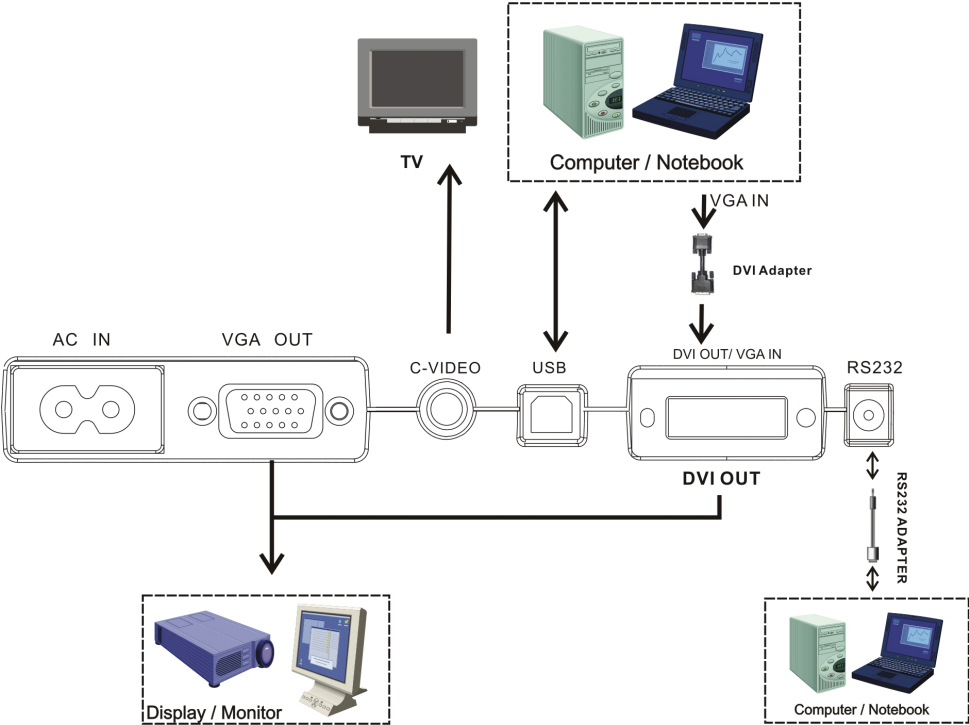
8. DIP Switch



9. Auxiliary Stand

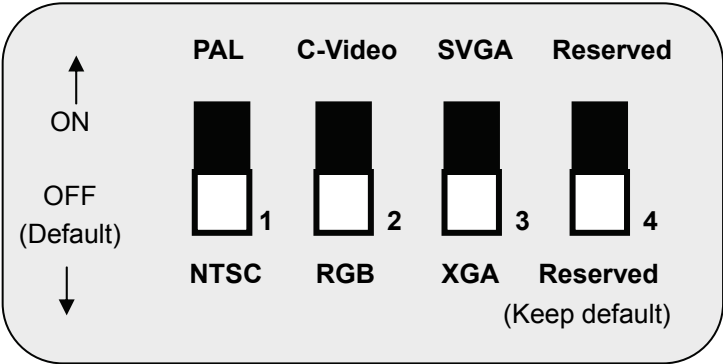


3.2 I/O Connection

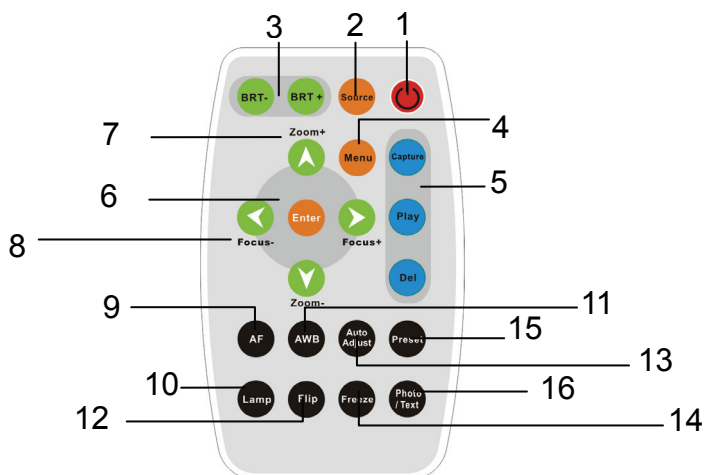


3.3 DIP Switch Setting

Factory default settings are as the following:



3.4 Remote Control



- | | |
|---|---|
| <p>1. Power:
Power on or off.</p> <p>2. Source:
Switch between different signal sources.</p> <p>3. BRT+/-:
Make the image brighter or darker</p> <p>4. Menu:
Show the Control Menu (OSD Menu)</p> <p>5. Capture:
Capture the image
Play/Del:
Recall/Delete the saved images in the flash memory of your Digital Visualizer.</p> <p>6. <>▲▼ / Enter:
<> ▲ ▼: Select function</p> <p>7. Zoom +/-:
Make the image larger & smaller</p> | <p>Focus:
Manual Focus for fine tune</p> <p>8. AF:
Auto Focus</p> <p>9. Auto Tune:
Auto-adjust the optimum image
Enter: Enable the selected function</p> <p>10. Photo/ Text:
Select the text or photo mode</p> <p>11. Lamp:
Turn on/ off Lamp</p> <p>12. Freeze:
Freeze the image</p> <p>13. Preset:
Save/load your setting parameters (like brightness, lamp, focus)</p> <p>14. Flip:
Rotate the image by 180 degrees</p> <p>15. AWB:
Auto white balance.</p> |
|---|---|

Only use CR2025 as replacement battery. Dispose used battery properly please.

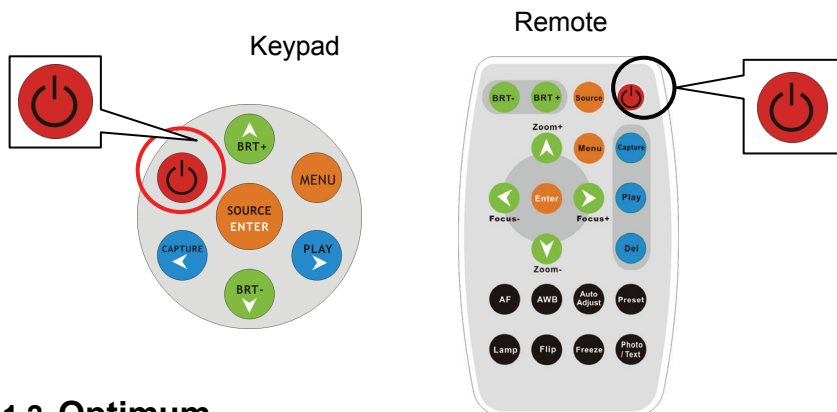
Chapter 4 How to use it

4.1 Getting Start

4.1.1 Turn on the Digital Visualizer

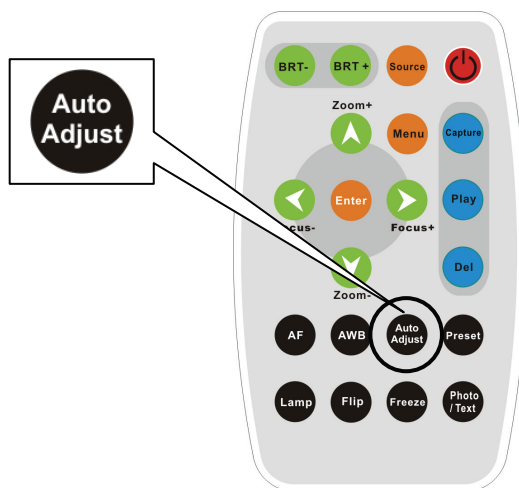
When plug on the power cord, the LED indicator will be "Red".

When turn on DC153, the LED indicator will be "Blue".



4.1.2 Optimum

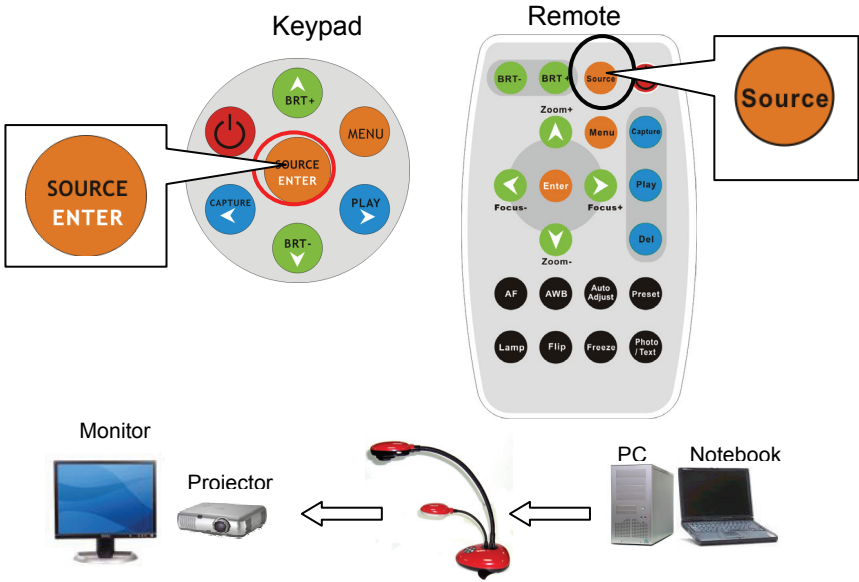
Auto-adjust the optimum image that will take some times to process.



4.2 Major Functions

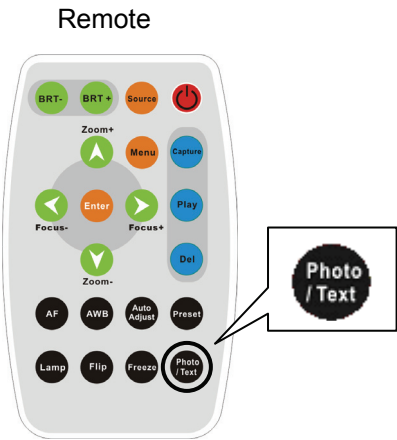
4.2.1 Select Input Source

The default input source is set as "Digital Visualizer", press 『Source』 to switch.

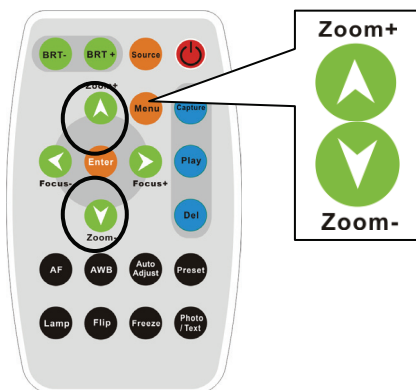


4.2.2 『Photo/Text』

The default setting is "Photo". Users can switch mode by pressing "Photo/Text" button.



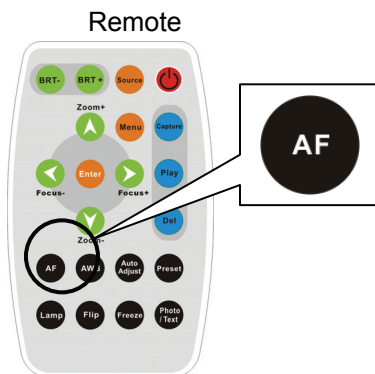
4.2.3 Zoom in / out



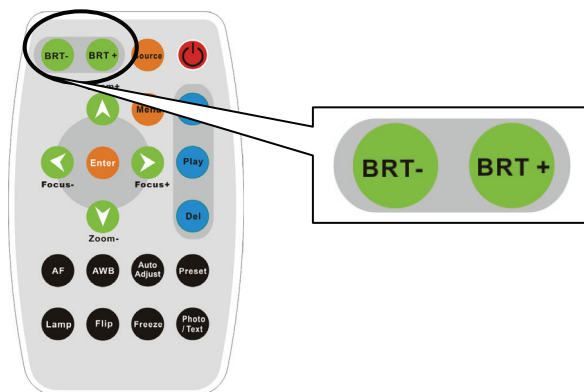
4.2.4 Auto Focus



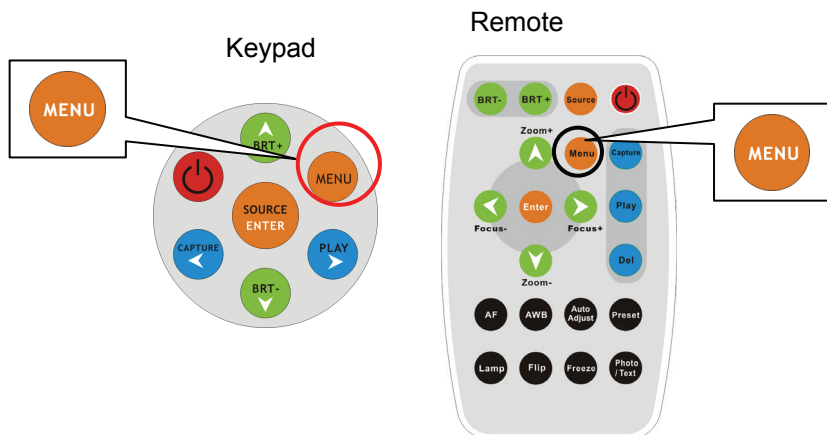
Goose-head



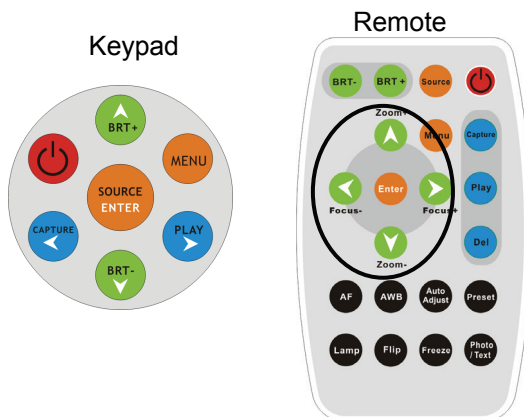
4.2.5 Brightness Adjustment



4.2.6 Display full control menu (OSD)



4.2.7 Enter to select



1. Press 『 ^ v < > 』 navigate menu.
2. Press 『 Enter 』 to select.

4.3 Advanced Functions

4.3.1 Capture Function

Remote or Keypad : : Press 『Capture』 button from remote control.

4.3.2 Play back captured Images

Remote or Keypad :


1. Press 『Play』 to show thumbnail images in memory.
2. Use 『◀▶』 to select thumbnail.
3. Press 『Enter』 to display on full screen.
4. Use 『◀▶』 to view next image.
5. Press 『Play』 to go back.
6. Press 『Menu』 to Exit.

4.3.3 Delete Captured Images

Remote:

1. Press 『Play』 to show all thumbnail images in memory.
2. Use 『◀▶』 to select.
3. Press 『Del』 to delete.
4. Press 『Menu』 to Exit

Keypad:

1. Press 『Play』 to show all thumbnail images in memory.
2. Use 『◀▶』 select one.
3. Press 『Enter』 to show all thumbnail images.
4. Press 『Menu』 to invoke the full Control Menu (OSD Menu).
5. Use 『◀▶』 to  (Storage) menu.
6. Use 『▼▲』 to 『Delete』 or 『Delete All』
7. Press 『Enter』 to execute.

8. Press 『Menu』 to Exit.

4.3.4 Preset

Preset Save: Save the customized user setting parameters (Ex. Zoom, brightness, color, AE setting).

1. Press 『Preset』 to entry the Preset menu.
2. Use 『◀▶』 to 『Preset save』.
3. Use 『◀▶』 to 『Yes』.

Preset Load : Invoke the customized user setting parameters (Ex. Zoom, brightness, color, AE setting).


1. Press 『Preset』 to entry the Preset menu.
2. Select 『Preset Load』.
3. Use 『◀▶』 to 『Yes』.

【NOTICE】 You can store up to four presets in each of five image mode

1. Normal or Gray
2. Slide
3. Microscope
4. Film.

4.3.5 Auto Erase

With Auto Erase function turned on, all captured images will be erased automatically once power down the Digital Visualizer.

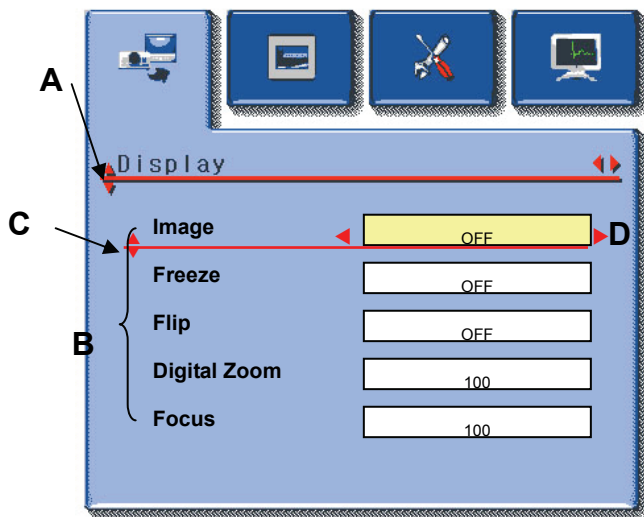
1. Press 『Menu』 to invoke the full Control Menu (OSD Menu).
2. Use 『◀▶』 to  (Storage) menu.
3. Use 『▼▲』 to select 『Auto Erase』.
4. Use 『◀▶』 to 『On』.
5. Use 『▼▲』 to 『Yes』.
6. Press 『Enter』 to execute.

Chapter 5 Control Menu (OSD Menu)

Introduction

5.1 Operation Menu

- A. Use 『▶◀』 to select main function.
- B. Use 『▼▲』 to select sub-item.
- C. The activated item with red line and yellow block. User 『▼▲』 to select items.
- D. 『▶◀』 : More items, you can press 『▶◀』 to execute.
- E. 『↶』 : Only one item, you can press 『Enter』 to execute.
- F. Press 『Menu』 to Exit.



5.2 Control Menu (OSD Menu)

- There are Display, Storage, Setting, Advance function pages in the Control Menu (OSD Menu).
- The menu will be automatically turned off when not being activated for a while.

➤ VGA Mode

Layer 1	Layer 2	Layer 3	Description
Display	Image	<u>N</u> ormal/Gray/Slide/ Microscope/Film	Select Normal/Gray/Slide/ Microscope/Film image mode
	Freeze	<u>O</u> N /OFF	Use Freeze to retain the image on the screen.
	Flip	<u>O</u> N /OFF	Flip image by 180° (Up→Down & Left→Right)
	Gamma	P hoto/Text	Select Photo or Text mode
	Zoom	◀ <input type="text"/> ▶	Adjust Zoom 100% ~ 1600%
	Focus	◀ <input type="text"/> ▶	0~Max
Storage	Delete	<u>E</u> xecute	Delete captured images
	Delete All	Yes/ <u>N</u> o	Delete all captured images
	Format	Yes/ <u>N</u> o	Format internal storage memory
	Auto Erase	ON/ <u>O</u> FF	Delete all captured images when user turns off the power.
Setting	Lamp	<u>O</u> N /OFF	Select Lamp On or Off.
	AE	<u>O</u> N /OFF	Auto Exposure
	Night vision	ON/ <u>O</u> FF	Select Night view function On or Off.
	Language	English, Traditional Chinese, Simplified Chinese	Select a preferred language
	Factory Reset	Yes/ <u>N</u> o	Restore unit back to factory setting
Advance	Preset Load	Yes/ <u>N</u> o	Invoke the customized user setting values
	Preset Save	Yes/ <u>N</u> o	Save a set of customized user setting values

➤ C-Video

Layer 1	Layer 2	Layer 3	Content
Display	Focus	-/+	100~300
	Gamma	Photo/Text	Select Photo/Text mode
	Image	Normal/Gray	Select Normal/Gray mode
	Freeze	OFF/ON	Use Freeze to retain the image on the screen.
	Exit		Exit the Menu
Setting	Lamp	ON/OFF	Turn on/off lamp
	Advance	Full Range ON/OFF Night vision ON/OFF Exit	Adjust On or Off of Full screen & Night view function
	Language	English, Traditional Chinese, Simplified Chinese, Exit	Select a preferred language on the menu.
	Factory Reset	Enter / Exit	Select a fitting output format.

Chapter 6 Troubleshooting

This chapter describes the problems you might have encountered when you use this Digital Visualizer. If you have any problem, please refer to the appropriate section and follow the suggestions. If none of the suggested solutions solve your problem, please call your dealer or your service center.

Problem 1: No picture from the Digital Visualizer.

Solution -

- Press a different source, then press-desired source again.
- Check if the power of the Digital Visualizer is turned on.
- Make sure the document or object is positioned under the camera.
- Make sure DIP Switch 2 is set to 『OFF』 position from RGB output.

Problem 2: Cannot focus correctly.

Solution - The correct focus is to aim the lens at documents or objects. Then, zoom in the focal distance and focus the camera. Later, zoom out the focal distance to the length that you desire.

Problem 3: Can not see the desired image because it is too bright or dark.

Solution - Adjust the Brightness +/- Button on the Digital Visualizer to get the desired image.